

UNIVAN MARITIME (H.K.) LIMITED		ISSUE 1	REV 1	PAGE 1/9
SHIP'S FILE NO: M50	OFFICE FILE NO: N/A	FORM 2.1		DATE : 18.12.2009
PASSAGE PLAN		APPLICABLE FOM SECTIONS: 8.6.6, 8.13, 8.14, 8.15		

Voyage No:	37	Vessel's Name:	M.T. ALPINE MELINA	From:	BONNY, NIGERIA	Draft: Fwd	9.80	m
				To:	NEW YORK, USA	Att	9.80	m

A) Maximum static draft during the voyage:	9.80 m	E) Following must be shown on the chart as applicable			
B) 20% of maximum static draft:	1.96 m				
Expected Maximum speed during the voyage (V):	13				
C) Squat for above speed (as appropriate for Shallow or Deep Water:					
Shallow water Squat = $2 \times \text{block coefficient} \times V^2$	Shallow water	6.0 KTS	0.55	13.0 KTS	2.59
Deep water Squat = $\text{block coefficient} \times V^2$	100				

D) Resultant margin of safety for the voyage (A+B+C):	12.31	14.35	- Safety ranges / Bearings - Wheel over points - Parallel indexing distances - Reporting Points - Abort Position - Contingency Anchorage		
(If Exp. Min. depth less than margin of safety, highlight leg and check if UKC greater than 10% of max draft - see pg 10.					
If UKC less than 10% case to be re-assessed and office contacted)					
Squat due to heel @ 5 deg			1.366	Cb = Disp / (LBPxBMxDraft)	
Squat due to heel @ 5 deg				SQUAT DUE TO HEEL = ((1/2BM* \sin^2 + Draft*cos0) - Draft	

GPS WP	WP Name:	Lat. N	Long. E	Co	Dist	DTG	Charts	Speed IN KNOTS	Fix Interval	Fix Method	ExpMin U.K.C. DEPTH (m)	Leg Time (HOURS)	Watch Type	Notes (Speed restriction, high traffic density, etc)
1	001	04° 25.58'	07° 08.69'	240	1.1	18	3287	5	5~6	V,R,G	7.6	0.22	D	VESSEL UNDER PILOT AND UNDER SECURITY VESSEL ESCORT HAND OVER PILOT CARD AND GIVE DETAILS OF OWN VESSEL AND CHARACTERISTICS TO PILOT. FILL UP COMPANY CHECKLISTS AND FOLLOW PRE DEPARTURE PROCEDURES AND CHECKLISTS. ONCE UNDERWAY, KEEP VESSEL ON TRACK WITHIN THE FAIRWAY. USE PI AS MARKED ON CHART. USE RADAR RNG/BRG FOR POSITION FIXING. VERIFY WITH GPS POS. MONITOR UKC AT ALL TIMES. ANTI PIRACY WATCHES TO BE MAINTAINED AT ALL TIMES. COMMUNICATE WITH ESCORT VESSEL REGULARLY AND FOLLOW THEIR DIRECTIONAL DEED.
2	002	04° 25.00'	07° 07.70'	200	3.2	16	3287	6	5~6	V,R,G	10.6	0.53	D	ONCE PILOT DISEMBARKS, VESSEL WILL BE ESCORTED BY SECURITY VESSELS FOR FURTHER 20 NM INTO SEA TILL WAYPOINT 7. KEEP SHARP LOOK OUT FOR FISHING VESSELS AND VESSEL AT PBG. MAINTAIN PROPER VIGILANCE AT ALL TIMES.
3	003	04° 22.00'	07° 06.60'	214	10.9	13	3287/3286	6	5~6	V,R,G	3.6	1.82	D	
4	004	04° 12.90'	07° 00.50'	259	0.5	2	3286	6	5~6	V,R,G	8.6	0.08	D	
5	005	04° 12.80'	07° 00.00'	223	1.8	2	3286	3	5~6	V,R,G	4.6	0.60	D	
6	006	04° 11.50'	06° 58.80'											

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Passage from Bonny Pilot Stn To New York Pilot Stn																
GPS WP	WP Name.	Lat. N	Long. E	Co	Dist	DTG	Charts	Speed	Fix Interval	Fix Method	ExpMin U.K.C. Depth (m)	Log Time HOURS	Watch Type	Notes (Speed restriction, high traffic density, etc)		
6	006	04° 11.50'	06° 58.80'	162	19.50	5406	3286/1386	8	10	G.D.R.S	21.7	2.44	C	SECURITY WILL ESCORT TILL WAYPOINT 7. KEEP SHARP LOOK OUT FOR ANY SUSPICIOUS CRAFTS		
7	007	03° 53.00'	07° 05.00'	183	83.00	5387	1386	13	30/60	G.D.R.S	298.8	6.38	C/A/B	VESSEL TO PROCEED AT FULL SPEED ON SOUTHERLY COURSE, AWAY FROM LAND. EXTRA SECURITY		
8	008	02° 30.00'	07° 00.00'	261	182.00	5304	1386/3118	13	60	G.D.R.S	998.8	14.00	A/B	MEASURES TO BE MAINTAINED THROUGH OUT THIS COURSE. SPECIALLY DURING NIGHT TIME.		
9	009	02° 00.00'	04° 00.00'	270	1179.00	5122	3118/595	13	60	G.D.R.S	998.8	90.69	A/B	VESSEL ON WESTERLY COURSE IN GULF OF GUINEA, MAINTAIN PROPER LOOK OUT FOR SMALL CRAFTS.		
10	010	02° 00.00'	15° 00.00'	330	446.00	3943	595/3139	13	60	G.D.R.S	998.8	34.31	A/B	VESSEL ENTERING INTO ATLANTIC OCEAN, MAY ENCOUNTER CROSSING TRAFFIC FROM BOTH SIDES		
11	011	08° 28.30'	19° 22.50'	310	568.30	3497	3139/4215	13	60	G.D.R.S	998.8	43.72	A/B	VESSEL PASSING SOUTH OF CABO VERDE ISLANDS, KEEP WELL CLEAR OF ANY TRAFFIC AND AVOID		
12	012	14° 36.00'	26° 45.00'	308	539.10	2929	4215/4115	13	60	G.D.R.S	998.8	41.47	A/B	CLOSE QUARTER SITUATION. TAKE SIGHTS FOR CALCULATING AND VERIFYING VESSELS POSITION		
13	013	20° 11.40'	34° 07.50'	306	504.20	2390	4115	13	60	G.D.R.S	998.8	38.78	A/B	FREQUENTLY WHEN EVR WEATHER PERMITS, USE DR TO VERIFY POSITION EVERY WATCH.		
14	014	25° 07.30'	41° 30.00'	303	468.00	1885	4115/4407	13	60	G.D.R.S	998.8	36.00	A/B	VESSEL IN ATLANTIC OCEAN. WEATHER FAX TO BE OBTAINED. CHECK FOR ANY LOW PRESSURE OR		
15	015	29° 20.90'	48° 52.50'	299	433.90	1417	4407	13	60	G.D.R.S	998.8	33.38	A/B	ANY ADVERSE WEATHER CONDITION ON OWN PASSAGE.		
16	016	32° 52.70'	56° 15.00'	295	403.90	983	4407/4403	13	60	G.D.R.S	998.8	31.07	A/B	VESSEL IN ATLANTIC OCEAN. USE DR AND SIGHT TO DETERMINE / VERIFY VESSEL POSTION.		
17	017	35° 44.80'	63° 37.50'	291	378.90	580	4403	13	60	G.D.R.S	998.8	29.15	A/B	OBTAIN WEATHER FORECAST FOR THE PASSAGE REGULARLY.		
18	018	38° 00.00'	71° 00.00'	326	84.30	201	4403/2670 / 2860	13	60	G.D.R.S	999.7	6.48	A/B	CROSSING TRAFFIC MAY BE ENCOUNTERED. ON APPROACH TO NEW YORK NUMEROUS WRECKS		
19	019	39° 10.00'	72° 00.00'	331	40.00	116	2860	13	60/30	G.D.R.S	94.9	3.08	A/B	AND OBSTRUCTION ARE PRESENT. KEEP WELL CLEAR OF THEM. FROM CHART BA-2670 ALL		
20	020	39° 45.00'	72° 25.00'	299	30.80	76	2860/2755	13	30/10	V.R.G	52.9	2.37	A/B/C	DEPTHS ARE IN FATHOMS. BE AWARE OF THIS AND MONITOR UKC AT ALL TIMES. KEEP VESSEL		
21	021	40° 00.00'	73° 00.00'	306	45.50	45	2755/3204	8	5	V.R.G	23.7	5.69	C	ON OR CLOSE TO CHARTED TRACK. REPORTING TO BE CARRIED OUT AS MARKED ON CHART.		
22	022	40° 27.00'	73° 48.00'	W												

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Charts to be used in the passage:						
BRITISH ADMIRALTY: 3287, 3286, 1386, 3118, 595, 3139, 4215, 4115, 4407, 4403, 2670, 2860, 2755, 3204, 3459, 3458, 3457, 3456						
Sailing Directions to be used during the voyage:						
NP1-AFRICA PILOT VOL I						
NP71-WEST INDIES PILOT, VOL II						
NP59-NOVA SCOTIA & BAY OF FUNDY PILOT						
NP68-EAST COAT OF UNITED STATES PILOT, VOL I						
Routeing Charts to be used in the passage:						
CHART 5124 (10) - ROUTEING CHART NORTH ATLANTIC OCEAN (OCTOBER)						
CHART 5124 (11) - ROUTEING CHART NORTH ATLANTIC OCEAN (NOVEMBER)						
List of Lights to be used in the passage:						
VOL D(NP 77)						
VOL J(NP82)						
List of Radio Signals to be used in the passage:						
NP 281(1) : EUROPE, AFRICA AND ASIA(EXCLUDING FAR EAST) - MARITIME RADIO STATIONS						
NP 281(2): THE AMERICAS, FAR EAST AND OCEANIA - MARITIME RADIO STATIONS						
NP 282 : RADIO AIDS TO NAVIGATION, SATELLITE SYS, NAV SYS, LEGAL TIME, RADIO TIME SIGNALS & EPFS.						
NP 283(1) : EUROPE, AFRICA AND ASIA(EXCLUDING FAR EAST) (MARITIME SAFETY INFORMATION SERVICES)						
NP 283(2) : THE AMERICAS, FAR EAST AND OCEANIA (MARITIME SAFETY INFORMATION SERVICES)						
NP 284 : METEOROLOGICAL OBSERVATION STATIONS						
NP 285 : GMDSS						
NP 286(5) : NORTH AMERICA, CANADA AND GREENLAND.						
NP 286(7) : CENTRAL AND SOUTH AMERICA AND THE CARIBBEAN						
NP 286(8) : AFRICA(EXCLUDING MEDITERRANEAN COAST), RED SEA AND PERSIAN GULF.						
Tidal current atlases to be used in the passage & Tide tables:						
NP 202-13(ATT VOL-2)						

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Tides for departure and arrival dates:

Departure Port: BONNY			Arrival Port: NEW YORK		
Day 1:		Day 2:		Day 1:	
Tide	Time	Height	Tide	Time	Height
HW		HW	HW		HW
LW		LW	LW		LW
HW	SEE ATTACHED SHEET		HW	SEE ATTACHED SHEET	
LW		LW	LW		LW

Details of VTS reporting to be carried out on the passage:

VESSEL TO CALL SECURITY VESSELS ON VHF CH: 68

VESSEL CALL SIGN FOR SECURITY PURPOSE AND TRANSITING UNDER ESCORT: DELTA PAPA

CALL SIGN FOR SECURITY VESSELS (ARRV): KILO UNIFORM

CALL SIGN FOR SECURITY VESSELS (DEP): PAPA BRAVO

BONNY PILOTS: VHF CH-16 / 14

BERTHING MASTER: VHF CH-08

FOR DETAIL SEE ATTACHED SHEETS

SANDY HOOK PILOTS: VHF CH- 13, 16, 73

CALLING & ALL SAILING PLAN=VHF CH-11

SEE ATTACHED ALRS SHEETS FOR VTS AREA AND REPORTING

VTS ON:	AREA 1 = VHF CH 14	AMVER TO BE SENT AS SAILING PLAN (ON DEP BONNY) POSITION REPORT (DAILY NOON) DEVIATION REPORT (IF ANY) FINAL REPORT (ON ARRV)
CALL NEWYORK	AREA 2 = VHF CH 12	
TRAFFIC	AREA 3 = VHF CH 12	

ANCHORAGE ADMINISTRATION (Area 1, 2, 3) =VHF CH 12

ENOA TO BE SENT THRU MAIL

Additional remarks:

DISTANCE TABLES, NAUTICAL ALMANAC, MARINERS HANDBOOK, GUIDE TO PORT ENTRY, INTERNATIONAL CODE OF SIGNALS, JALA BUOYAGE SYSTEM, BRIDGE PROCEDURE GUIDE,BRIDGE TEAM MANGEMENT, MARPOL, OWNERS,CHARTERERS INSTRUCTIONS AND FLEET OPERATIONAL MANUAL, FORM MANUAL

NAVTEX STATION: INTERNATIONAL: C, U, B, N, F, U NATIONAL: M, P, V

NAVAREA: NAVAREA II, NAVAREA IV.

GMDSS SEA AREA : A1, A2, A3

Prepared by 2 nd Off (Name)	Verified by 3 rd Off (Name)	Verified by Ch/Off (Name)	Authorized by Master (Name)
KISHAN SINGH BOHRA	BHUPINDER SINGH	SWARNI SAUVANT	Capt. RAVI MUKHERJEE